


बिहार सरकार,  
बिहार राज्य आपदा प्रबंधन प्राधिकरण  
(आपदा प्रबंधन विभाग)  
D-ब्लॉक, 5वाँ तल, सरदार पटेल, पटना-800023  
**(अल्पकालीन (कोटेशन आमंत्रण सूचना)**

पत्रांक 3417 दिनांक 16.12.25

सर्वसाधारण को सूचित किया जाता है कि बिहार राज्य आपदा प्रबंधन प्राधिकरण में निर्मित BSDRN Portal का निर्माण वर्ष 2017 में किया गया था, जो पुरानी तकनीक पर आधारित होने के कारण दोनों प्लेटफॉर्मस में एकरूपता (Synchronization) का अभाव है। दोनों में एकरूपता स्थापित करने तथा डेटा की सटीकता सुनिश्चित करने हेतु Portal का नवीन निर्माण Annexure-I में निर्धारित सेवा एवं शर्तों के अनुरूप किये जाने हेतु निबंधित संस्थाओं/एजेंसियों/फर्मों से दर प्राप्त करने हेतु कोटेशन आमंत्रित किया जाता है। कोटेशन आमंत्रण सूचना दिनांक-22.12.2025 के अप0 05:00 बजे तक निबंधित डाक /स्पीड पोस्ट/ हाथों हाथ सचिव, बिहार राज्य आपदा प्रबंधन प्राधिकरण, बिहार, पटना के डाक प्राप्ति शाखा में कार्य दिवस को प्राप्त किया जायेगा। प्राप्त कोटेशनदात को दिनांक-23.12.2025 के अपराहून 02:00 बजे प्राधिकरण स्तरीय गठित समिति के समक्ष खोला जायेगा, जिसमें कोटेशनदाता अथवा उनके प्राधिकृत प्रतिनिधि भाग ले सकते।

अनु०-यथोपरि।

  
16/12/25

सचिव

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## **Expression of Interest (EOI) for upgradation and synchronization of BSDRN Web Application with BSDRN Mobile Application-**

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### **Issued By**

**Bihar State Disaster Management Authority (BSDMA)**

Government of Bihar

### **1. Introduction**

Disaster Management Authority (BSDMA), Government of Bihar, invites sealed proposals from eligible and experienced agencies for the **Upgradation of the BSDRN Web Application to make it fully compatible with the existing BSDRN Mobile Application.**

The Bihar State Disaster Resource Network (BSDRN) is a critical system used for capturing, managing, and monitoring disaster-related resources across the State. While the BSDRN Mobile Application has been enhanced with multiple new features over time, the BSDRN Web Application requires upgradation to ensure feature parity, seamless integration, and uniform user experience across platforms.

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### **2. Purpose of the EOI**

The purpose of this EOI is to select a competent System Integrator/Development Agency to:

- Upgrade and modernize the BSDRN Web Application..
- Align the Web Application features with the current(existing) BSDRN Mobile Application.

- Submission of Functional Requirement Specification (FRS)

### **3.2 Web Application Upgradation**

- Development and implementation of all Mobile App features in the Web Application
- UI/UX redesign as per modern usability standards
- Responsive design compatible with desktop, tablet, and mobile browsers
- Performance Enhancement: Optimize web application architecture and database to improve overall speed and performance.
- Bulk Uploading Functionality: Design and implement modules for bulk uploading of data and resources, ensuring use and efficiency.
- Advance search functionality: Incorporate a '**Global Search**' feature on home page allowing efficient retrieval of Information across various parameters.

### **3.3 Integration & Data Synchronization**

- Integration with existing BSDRN backend systems and APIs
- Real-time data synchronization between Web and Mobile platforms
- Ensuring data accuracy, consistency, and integrity

### **3.4 GIS & Location-Based Features**

- Integration of GIS and geo-tagging functionalities available in the Mobile App
- Location-based resource mapping and search features

### **3.5 Security & Performance**

- Implementation of role-based access control
- Compliance with OWASP security standards
- Performance optimization for high concurrency and data volume.
- Uptime requirement: Load balancing feature, with 99% application uptime excluding planned maintenance.

### **3.6 Reporting & Dashboards**

- Development of MIS reports, dashboards, and analytics:
- The BSDRN web app's home page should display these features on a map of Bihar state (a,b,c points below) :
  - a) A user-friendly reporting system will be integrated into the BSDRN web app , enabling district authorities to update resource data at regular intervals (preferably quarterly).
  - b) Authorized district users will be able to upload, edit, and validate data seamlessly through the portal or app, with inter-district visibility to promote transparency, coordination, and optimal resource use. This functionality will keep the BSDRN platform dynamic, up to date, and effective for disaster preparedness and response statewide.
  - c) If updates are not completed within the prescribed three-month timeframe, the system shall automatically flag the concerned district in red on the website.



- Export options (Excel, PDF).
- Advanced search and filtering features.

### **3.7 Testing, Deployment & Training**

- Unit testing, system testing, and user acceptance testing (UAT)
  - Deployment in staging and production environments
  - User manuals, technical documentation, and training for BSDMA officials
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### **4. Deliverables**

- Fully upgraded BSDRN Web Application with feature parity to Mobile App
  - Functional Requirement Specification (FRS)
  - Source code and deployment scripts
  - Technical documentation and user manuals
  - Training and knowledge transfer
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### **5. Project Timeline**

- Timeline for completion of the project – 3 months from the date of the signing contract, including development, testing, deployment.
  - post-implementation support for next one year.
  - Making changes (minor) in website as on needed or as per need of the BSDMA for next 1 year (free of cost).

### **6. Payment Terms**

Payments shall be milestone-based and released upon successful completion and acceptance of deliverables by BSDMA.

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### **7. Eligibility Criteria**

- The bidder must be a registered company/firm in India. (document attached)
  - Minimum 3 years of experience in Web and Mobile Application development. (document attached)
  - Experience in Government / PSU projects is desirable. (document attached).
  - Experience in GIS-enabled or data-driven systems. (document attached).
  - Valid PAN, GST registration, and statutory compliances. (document attached).
  - Turn over 10 lack for financial year 2024-25 and 2023-24
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- Submission of Functional Requirement Specification (FRS)

### **3.2 Web Application Upgradation**

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- Bulk Uploading Functionality: Design and implement modules for bulk uploading of data and resources, ensuring use and efficiency.
- Advance search functionality: Incorporate a '**Global Search**' feature on home page allowing efficient retrieval of Information across various parameters.

### **3.3 Integration & Data Synchronization**

- Integration with existing BSDRN backend systems and APIs
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## 8. Proposal Submission

The proposal shall be submitted in two parts:

- **Technical Proposal**
- **Financial Proposal**

The Technical Proposal should include company profile, project approach, team details, and relevant experience.

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## 9. Evaluation Criteria

Proposals shall be evaluated based on:

- Technical competence and Understanding of scope
  - Relevant experience
  - Methodology and work plan
  - Financial quote
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## 10. Confidentiality & Intellectual Property Rights

All intellectual property, source code, data, and documentation developed under this project shall be the exclusive property of BSDMA. The selected agency shall maintain strict confidentiality of all project-related information.

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## 11. Right to Accept or Reject

BSDMA reserves the right to accept or reject any or all proposals without assigning any reason thereof.

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## 12. Contact Information

**Bihar State Disaster Management Authority (BSDMA)**

5th Floor, Sardar Patel Bhawan, Patna – 800023

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## 13. Submission Details

**"Expression of Interest for Up gradation and Incorporation of BSDRN Mobil App with BSDRN portal "to the address given below:**

**Secretary,**

Management Authority (BSDMA),

**Bihar State Disaster Management Authority (BSDMA)**

5th Floor, Sardar Patel Bhawan, Patna – 800023